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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/659,356	09/11/2003	Tsuyoshi Kawabe	500.43104X00	5553
24956 7590 04/16/2007 MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C. 1800 DIAGONAL ROAD SUITE 370 ALEXANDRIA, VA 22314			EXAMINER CHU, DAVID H	
			ART UNIT 2628	PAPER NUMBER

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/16/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/659,356

Applicant(s)

KAWABE ET AL.

Examiner

David H. Chu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 January 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. Acknowledgment is made of the amendment filed by the applicant on 1/19/2007, in which:
 - Independent claims 1, 6, 11 and 16 were amended
 - Dependent claims 2, 7, 12 and 17 were amended
2. Claims 1-18 are currently pending in U.S. Application Serial No. 10/659356 and an Office Action on the merits follows.

Claim Objections

3. **Claim 16 is objected to because of the following informalities:**
 - In line 12 of page 10 the amended claim, the applicant recites "the specified location and range..." which was never been disclosed earlier in the claim.
4. The examiner suggests changing "the" to an "a." Appropriate correction is required.

Claim Rejections - 35 USC § 112

5. The objection to the claim 11, set forth in the previous office action, is **withdrawn** in light of the applicant's amendment.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. **Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Guedalia (U.S. Patent No. 6356283), in view of Tran (PGPUB Document No. US 2002/0069220), and further in view of Blinn (U.S. Patent No. 7117256).**

8. Note with respect to claim 1,

9. Guedalia teaches:

An image distribution system [*client and server computer*] for distributing images to a mobile terminal comprising:

a) **An image storage distribution apparatus** [*archiving the image data on a server computer*] for storing images

(col. 16, line 61-63).

b) **An image conversion apparatus** [*server, dynamically embeds an image corresponding to the clicked coordinates of the user into the HTML page being returned to the client*] for obtaining an image specified by said mobile terminal from said image storage distribution apparatus [*as discussed above, the server embeds the requested image to the HTML page being viewed on the client computer*] and distributing said specified image to said mobile terminal if said specified image is required

to be displayed

(col. 4, line 13-18)

- c) Wherein, said mobile terminal is arranged to display said image distributed from said image conversion apparatus on a **screen of a monitoring unit of said mobile terminal** [*Inherent for a client computer to have a display*], specify an **optional location** [*coordinate of user clicked area*] of said displayed image, and **transmit information on said specified location to said image conversion apparatus** [*refer to the rejection above*]

(col. 4, line 13-18)

- d) Wherein said image conversion apparatus **enlarges the image** [*zoom-in*] of the location specified by said mobile terminal to a **display size of said monitoring unit** [*size of browser navigated on client computer*] of said mobile terminal and then **distributes said enlarged image to said mobile terminal** [*refer to the rejection above*]

- e) Wherein said **mobile terminal displays said enlarged image** [*the user observing the resulting image of the server carrying out the calculation on a browser*] distributed by said image conversion apparatus on the screen of said monitoring unit

(col. 4, line 13-18)

10. Guedalia does not expressly teach:

- An imaging unit
- Specifying an optional location **and range** of said displayed image

- Enlarging the image based on a smaller of a ratio of a height of a screen of the monitoring unit of said mobile terminal to a height of the range specified by said mobile terminal and a ratio to a width of the screen of the monitoring unit of said mobile terminal to a width of the range specified by said mobile terminal

11. However it is well known in the art for any client/server computer to comprise of a digital/web camera capable of taking and storing images.

12. Therefore, at the time of the invention, it would have been obvious to one of an ordinary skill in the art to ***include a digital/web camera*** to the ***client computer teaching of Guedalia***, because this ***allows the user with added convenience of taking and storing digital images on the computer.***

13. Tran teaches:

- Specifying an optional location **and range** [*adjusting the vertical and horizontal length of a zoom box*] of said displayed image
[Tran, 0132]

14. Therefore, at the time of the invention, it would have been obvious to one of an ordinary skill in the art to apply the ***zoom box teaching on a mobile computer of Tran*** to

the *clientless interactive image navigation teaching of Guedalia*, because this *allows the user to accurately specify desired portion of the image to be observed*.

15. Blinn teaches:

- Enlarging the image based on a smaller of a ratio of a height of a screen of the monitoring unit of said mobile terminal to a height of the range specified by said mobile terminal and a ratio to a width of the screen of the monitoring unit of said mobile terminal to a width of the range specified by said mobile terminal

[Blinn teaches maintaining the aspect ratio of an image as it is zoomed to *better fit the display resolution of the device*]

(col. 7, line 52 – col: 8, line 5)

16. Therefore, at the time of the invention, it would have been obvious to one of an ordinary skill in the art to apply the *maintaining the aspect ratio when zooming teaching of Blinn* to the *clientless interactive image navigation teaching of Guedalia*, because this *allows the image being zoomed better fit the display regardless of its dimension*.

(Col. 8, line 2-5)

17. Note with respect to claim 2,

18. Repeating the steps carried out by the system above with respect to claim 1 on the already zoomed image is the equivalent to the limitations disclosed in claim 2.

Therefore the claim rejection above with respect to claim 1 also is applicable to claim 2.

19. Note with respect to claim 3,

20. According to the interactive image navigation system of Guedalia, it is inherent that the repeatedly enlarged image [*enlarged and re-enlarged image*] of the same image by the user is based on the **same image** as recited by applicant.

21. Note with respect to claim 4,

22. Guedalia does not expressly teach:

An image distribution system as claimed in claim 1,

- a) Wherein said mobile terminal displays an optional location and range of said image displayed on the screen of said monitoring unit with a **frame** and **specifies the optional location and range of said image based on the handling of said frame on the screen of said monitoring unit by a user.**

23. However Tran teaches:

An image distribution system as claimed in claim 1,

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- a) Wherein said mobile terminal displays an optional location and range of said image displayed on the screen of said monitoring unit with a **frame** [zoom box] and **specifies the optional location and range of said image based on the handling of said frame on the screen of said monitoring unit by a user**

[adjusting the vertical and horizontal length of a zoom box by the user]

[Tran, 0132]

24. Therefore, at the time of the invention, it would have been obvious to one of an ordinary skill in the art to apply the *zoom box teaching on a mobile computer of Tran* to the *clientless interactive image navigation teaching of Guedalia*, because this *allows the user to accurately specify desired portion of the image to be observed*.

25. Note with respect to claim 5, claim 5 is similar in scope to the claim 1, thus the rejections to claim 1 hereinabove are also applicable to claim 5.

26. Note further, zooming and panning as taught by Tran is the equivalent to the mobile terminal [mobile computer] **changing the optional location and range of an image for the purpose of adjusting the location and range to be enlarged**, as recited by applicant.

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27. Note with respect to claims 6 and 11, claims 6 and 11 are similar in scope to the claim 1, thus the rejections to claim 1 hereinabove are also applicable to claims 6 and 11.

28. Note with respect to claims 7 and 12, claims 7 and 12 are similar in scope to the claim 2, thus the rejections to claim 2 hereinabove are also applicable to claims 7 and 12.

29. Note with respect to claims 8 and 13, claims 8 and 13 are similar in scope to the claim 3, thus the rejections to claim 3 hereinabove are also applicable to claims 8 and 13.

30. Note with respect to claims 9 and 14, claims 9 and 14 are similar in scope to the claim 4, thus the rejections to claim 4 hereinabove are also applicable to claims 9 and 14.

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31. Note with respect to claims 10 and 15, claims 10 and 15 are similar in scope to the claim 5, thus the rejections to claim 5 hereinabove are also applicable to claims 10 and 15.

32. Note with respect to claim 16, claim 16 is similar in scope to the claim 1, thus the rejections to claim 1 hereinabove are also applicable to claim 16.

33. Note further, Guedalia teaches:

- a) An **interface** [*inherent for any client server system communication data*] for receiving information distributed from the outside through a transmission path and distributing the information to the outside
- b) A **storage unit** [*inherent for the server computer to have a memory/storage medium for storing instructions*] for storing the process of carrying out the steps disclosed above with respect to claim 1.

34. Note with respect to claim 17, claim 17 is similar in scope to the claim 2, thus the rejections to claim 2 hereinabove are also applicable to claim 17.

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35. Note with respect to claim 18, claim 18 is similar in scope to the claim 3, thus the rejections to claim 3 hereinabove are also applicable to claim 18.

Response to Arguments

36. Applicant's arguments filed 1/19/2007 have been fully considered but they are not persuasive.

37. Following are the applicant's arguments and examiner's response.

38. The applicant argues that references Guedalia and Tran does not teach:

- An image conversion apparatus for obtaining an image specified by a mobile terminal from an image storage distribution apparatus which stores images picked up by an imaging unit and distributing the specified image to the mobile terminal if the specified image is required to be displayed

[The server of Guedalia is the equivalent to the image conversion apparatus of the applicant, wherein the server embeds a corresponding image into the HTML page from the user request to the server (the mouse pointer coordinates on the image being displayed is sent to the server). The request made from a client computer is the equivalent to a mobile terminal specifying an image to be obtained/displayed. As discussed in the previously presented office action, the memory on the server side is the equivalent to the image storage distribution apparatus. And further, as discussed in the above action, a server is well known in the art to comprise of a digital/web camera (imaging unit, as recited by applicant)]
(col. 4, line 13-18)

- The mobile terminal is arranged to display the image distributed from the image conversion apparatus on a screen of a monitoring unit of the mobile terminal, specify an optional location and range of the displayed image and transmit information on the specified location and range to the image

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conversion apparatus

[Tran teaches adjusting the vertical and horizontal length of a zoom box. Adjusting the width and height of an area to be zoomed is the equivalent to specifying an option location and range, as recited by applicant]

[Tran, 0132]

Conclusion

39. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David H. Chu whose telephone number is (571) 272-8079. The examiner can normally be reached on M-TH 9:00am - 7:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark k. Zimmerman can be reached on (571) 272-7653. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DHC



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